

SEQUENCE LISTING

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agc ag Ser Se															195
tcg ca Ser Hi		Leu										_			243
caa ca	a asa	aac	atc	acc	caa	acc	aac	g a c	gag	acc	cta	a a a	cta	atc	291

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		Ile Lys Ser		gag gac ttt Glu Asp Phe				
			_	aag gcc agg Lys Ala Arg				
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Gln Trp Glu 35	Arg Pro Ser	Gly Asn Ser	Ser Ser	Gly Gly Lys 45	Asn Gly			
	Pro Ala Arg			Leu Leu Val	Lys His			
		Ser Ser Trp	_	Glu Lys Ile	_			
65 Thr Lve Glu	70	Glu Leu Tle	75	Tyr Ile Gln	80 Lve Ile			
THE DYS GIU	85	GIG DEG 116	90	_	95			
Lys Ser Gly	Glu Glu Asp 100	Phe Glu Ser 105		Ser Gln Phe 110	Ser Asp			

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Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu Gly Ala Phe Ser Arg Gly
                            120
Gln Met Gln Lys Pro Phe Glu Asp Ala Ser Phe Ala Leu Arg Thr Gly
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Glu Met Ser Gly Pro Val Phe Thr Asp Ser Gly Ile His Ile Leu
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Arg Thr Glu
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Leu Val Asp Pro Pro Gly Ser Lys Asn Ser Ile Ala Arg Gly Lys Met
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Arg Glu Tyr Phe Phe Asn Pro Glu Thr Lys His Ser Gln Trp Glu Glu
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Pro Glu Gly Thr Asn Lys Asp
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Arg Tyr Phe Leu Asn His Ile Asp Gln Thr Thr Thr Trp Gln Asp Pro
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Arg Lys Ala Met Leu Ser
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<213> Mus musculus

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Ser Pro Leu Pro Pro Gly Trp Glu Glu Arg Gln Asp Val Leu Gly Arg 1 5 10 15

Thr Tyr Val Asn His Glu Ser Arg Arg Thr Gln Trp Lys Arg Pro
20 25 30

Ser Pro Asp Asp Leu

35

<210> 12

<211> 38

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<213> Yeast RSPS

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Gly Arg Leu Pro Pro Gly Trp Glu Arg Arg Thr Asp Asn Phe Gly Arg 1 5 10 15

Thr Tyr Tyr Val Asp His Asn Thr Arg Thr Thr Thr Trp Lys Arg Pro
20 25 30

Thr Leu Asp Gln Thr Glu

35

<210> 13

<211> 38

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<213> Homo sapiens

<400> 13

Thr Ser Val Gln Gly Pro Trp Glu Arg Ala Ile Ser Pro Asn Lys Val 1 5 10 15

Pro Tyr Tyr Ile Asn His Glu Thr Gln Thr Thr Cys Trp Asp His Pro
20 25 30

Lys Met Thr Glu Leu Tyr

35

<210> 14

<211> 37

<212> PRT

<213> Rattus rattus

<400> 14

Ser Asp Leu Pro Ala Gly Trp Met Arg Val Gln Asp Thr Ser Gly Thr

Tyr Tyr Trp His Ile Pro Thr Gly Thr Thr Gln Trp Glu Pro Pro Gly 20 25 30

Arg Ala Ser Pro Ser

35

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Leu Pro Gly Trp Glu Gly Tyr Tyr Asn His Thr Trp Pro
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<213> Homo sapiens
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His Leu Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser Trp Arg
Gln Glu Lys Ile Thr Arg Thr Lys Glu Glu Ala Leu Glu Leu Ile Asn
Gly Tyr Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu Ser Leu
Ala Ser Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu
                       55
Gly Ala Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp Ala Ser
Phe Ala Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr Asp Ser
                                    90
Gly Ile His Ile Ile Leu Arg Thr Glu
           100
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<400> 17
His Ile Leu Ile Lys His Lys Asp Ser Arg Arg Pro Ala Ser His Arg
Ser Glu Asn Ile Thr Ile Ser Lys Gln Asp Ala Thr Asp Glu Leu Lys
                                25
Thr Leu Ile Thr Arg Leu Asp Asp Ser Lys Thr Asn Ser Phe Glu
Ala Leu Ala Lys Glu Arg Ser Asp Cys Ser Ser Tyr Lys Arg Gly Gly
                        55
Asp Leu Gly Trp Phe Gly Arg Gly Glu Met Gln Pro Ser Phe Glu Asp
                   70
                                        75
Ala Ala Phe Gln Leu Lys Val Gly Glu Val Ser Asp Ile Val Glu Ser
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90

Gly Ser Gly Val His Val Ile Lys Arg Val Gly
100 105

<210> 18

<211> 83

<212> PRT

<213> E. coli

<400> 18

His Ile Leu Val Lys Glu Glu Lys Leu Ala Leu Asp Leu Leu Glu Gln

1 10 15

Ile Lys Asn Gly Ala Asp Phe Gly Lys Leu Ala Lys Lys His Ser Ile 20 25 30

Cys Pro Ser Gly Lys Arg Gly Gly Asp Leu Gly Glu Phe Arg Gln Gly 35 40 45

Gln Met Val Pro Ala Phe Asp Lys Val Val Phe Ser Cys Pro Val Leu 50 55 60

Glu Pro Thr Gly Pro Leu His Thr Gln Phe Gly Tyr His Ile Ile Lys 65 70 75 80

Val Leu Tyr

<210> 19

<211> 84

<212> PRT

<213> B.subtilis

<400> 19

His Ile Leu Val Ala Asp Lys Lys Thr Ala Glu Glu Val Glu Lys Lys 1 5 10 15

Leu Lys Lys Gly Glu Lys Phe Glu Asp Leu Ala Lys Glu Tyr Ser Thr
20 25 30

Asp Ser Ser Ala Ser Lys Gly Gly Asp Leu Gly Trp Phe Ala Lys Glu 35 40 45

Gly Gln Met Asp Glu Thr Phe Ser Lys Ala Ala Phe Lys Leu Lys Thr 50 55 60

Gly Glu Val Ser Asp Pro Val Lys Thr Gln Tyr Gly Tyr His Ile Ile 65 70 75 80

Lys Lys Thr Glu

<210> 20

<211> 91

<212> PRT

<213> C. jejuni

<400> 20

His Ile Leu Val Ala Thr Glu Lys Glu Ala Lys Asp Ile Ile Asn Glu

1 10 15

Leu Lys Gly Leu Lys Gly Lys Glu Leu Asp Ala Lys Phe Ser Glu Leu 20 25 30

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Ala Lys Glu Lys Ser Ile Asp Pro Gly Ser Lys Asn Gln Gly Glu Glu
                            40
Leu Gly Trp Phe Asp Gln Ser Thr Met Val Lys Pro Phe Thr Asp Ala
Ala Phe Ala Leu Lys Asn Gly Thr Ile Thr Thr Pro Val Lys Thr
Asn Phe Gly Tyr His Val Ile Leu Lys Glu Asn
               85
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<211> 67
<212> PRT
<213> A. thaliana
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Cys Ser Ser Ala Lys Arg Gly Gly Asp Leu Gly Ser Phe Gly Arg Gly
                                25
Gln Met Gln Lys Pro Phe Glu Glu Ala Thr Tyr Ala Leu Lys Val Gly
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Asp Ile Ser Asp Ile Val Asp Thr Asp Ser Gly Val His Ile Ile Lys
                      55
Arg Thr Glu
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<212> PRT
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His Ile Leu Val Glu Lys Phe Glu Leu Ala Lys Ser Cys Ser Ser Lys
                                    10
Gly Gly Asp Leu Gly Phe Arg Gly Gln Met Phe Asp Ala Ala Phe Leu
Lys Gly Glu Ser Pro Val Thr Gly Tyr His Ile Ile Lys
```

40